

Form PTO-1449 (modified)

Atty. Docket No.
13479.0002.CPUS01Serial No.
10/021.970List of Patents and Publications for Applicant's
INFORMATION DISCLOSURE STATEMENTApplicant:
Marcus B. GohlkeFiling Date:
December 13, 2001Group:
1651

(Use several sheets if necessary)

U.S. Patent Documents
See Page 1Foreign Patent Documents
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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
SPC	A1	5,783,569	07/21/98	Jamas, et al.	514	54	08/20/93
SPC	A2	5,531,989	07/02/96	Paul, S.M.	424	93.4	05/09/95
SPC	A3	5,296,464	03/22/94	Tomita, et al.	514	6	10/21/91
	A4						
	A5						
	A6						

Previously
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in
Paper
No. 2

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
SPC	B1	WO97/05884	02/20/97	PCT	A61K	35/20	Yes
SPC	B2	2,175,319	10/29/96	Canada	A61K	7/26	Yes
	B3						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
SPC	C1	Mero, A.; Miikkulainen, H.; Riski, J.; Pakkanen, R.; Aalto, J.; Takala, T., "Effects of Bovine Colostrum Supplementation on Serum IGF-I, IgG, Hormone, and Saliva IgA During Training" <i>J. Appl. Physiol.</i> 1997 , Vol. 83, No. 4; pp. 1144-1151.
SPC	C2	Playford, R. J.; MacDonald, C. L.; Johnson, W.S., "Colostrum and Milk-Derived Peptide Growth Factors for the Treatment of Gastrointestinal Disorders", <i>American Society for Clinical Nutrition</i> , 2000 , Vol. 72; pp. 5-14.
SPC	C3	Eriksson, U.; Duc, G.; Froesch, E.R. and Zapf, J., "Insulin-Like Growth Factors (IGF) I and II and IGF Bind Proteins (IGFBPs) in Human Colostrum Transitory Milk During the First Week Postpartum: Comparison with Neonatal and Maternal Serum", <i>Biochemical & Biophysical Research Communications</i> 1993 , Vol. 196, No. 1; pp. 267-273.

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SMC	C4	Arnold, R.R.; Brewer, Michael and Gauthier, Joseph J.: "Bactericidal Activity of Human Lactoferrin: Sensitivity of a Variety of Microorganisms", <i>Infection and Immunity</i> 1980 , Vol. 28, No. 3; pp. 893-898.
SMC	C5	Arnold, R.R.; Kalmar, J.R., "Killing of <i>Actinobacillus actinomycetemcomitans</i> by Human Lactoferrin", <i>Infection and Immunity</i> 1988 , Vol. 56, No. 10; pp. 2552-2557.
SMC	C6	Ballantyne, G.H., "Rapid Drop in Serum Iron Concentration as a Host Defense Mechanism. A Review of Experimental and Clinical Evidence", <i>The American Surgeon</i> 1984 , Vol. 50, No. 8; pp. 405-411.
SMC	C7	Bellamy, W.; Takase, M.; Wakabayashi, H.; Kawase, K.; Tomita, M., "Antibacterial Spectrum of Lactoferrin B, a Potent Bactericidal Peptide Derived from the N-Terminal Region of Bovine Lactoferrin", <i>Journal of Applied Bacteriology</i> 1992 , Vol. 73, No. 6; pp. 473-479.
SMC	C8	Burrin, D.G.; Davis, T.A.; Ebner, S.; Schoknecht, P.A.; Fiorotto, M.L.; Reeds, P.J.; McAvoy, S.; "Nutrient-Independent and Nutrient-Dependent Factors Stimulate Protein Synthesis in Colostrum-Fed Newborn Pigs.", <i>Pediatric Research</i> 1995 , Vol. 37, No. 5; pp. 593-599.
SMC	C9	Machnicki, Michal; Zimecki, Michal and Zagulski, Tadeusz: "Lactoferrin Regulates the Release of Tumour Necrosis Factor alpha and Interleukin 6 <i>in vivo</i> ," <i>International Journal of Experimental Pathology</i> 1993 , Vol. 74, pp. 433-439.
No pub. Date	C10	"What Makes Life Source Basics Different From Other Beta 1-3/1-6 Glucans", Information Packet from LifeSource Basics, St. Paul, MN.
SMC	C11	Beutler, J. "Yeast Derived Beta-1,3-Glucan: A Breakthrough Immune-Enhancing Supplement", <i>Health Counselor</i> 1997 , pp. 60-63.
SMC	C12	Ber, L., "Yeast Derived Beta-1,3-D-Glucan: An Adjuvant Concept", <i>Townsend Letter for Doctors & Patients</i> 1998 , Issue 184; pp. 68-70.
SMC	C13	Ber, L., "Beta-1,3-D-Glucan: The Skin Connection", <i>Nature's Impact</i> 1998 ; pp. 46-49. {Impakt Communications, Green Bay, WI}
SMC	C14	Gormley, J.D., " 'Rising to the Occasion': Beta-1,3-D-Glucan-Immune Activator," <i>Better Nutrition</i> 1998 , Vol. 60, No. 5; p. 36.
No pub. Date	C15	Brochure entitled: "Life Source Basics Beta Glucan - A Miracle for Your Immune System", Life Source Basics, St. Paul, MN.
	C16	Advertising Brochure for "BLTA Right!" from Life Source Basics, St. Paul, MN.



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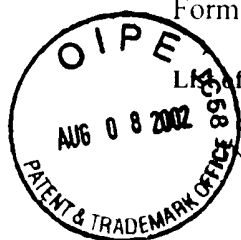
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Exam. Init.	Ref. Des.	Citation
50C	C17	Abel, G.; Czop, J.K., "Stimulation of Human Monocyte β -Glucan Receptors by Glucan Particles Induces Production of TNF- α and IL-1 β ", <i>Int. J. Immunopharmacology</i> 1992 , Vol. 14, No. 8; pp. 1363-1373.
50C	C18	Janusz, M.J.; Austen, K.F.; Czop, J.K., "Phagocytosis of Heat-Killed Blastospores of <i>Candida albicans</i> by Human Monocyte β -Glucan Receptors", <i>Immunology</i> 1988 , Vol. 65, No. 2; pp. 181-185.
50C	C19	Yan, J.; Vetvicka, V.; Xia, Y.; Coxon, A.; Carroll, M.C.; Mayadas, T.N.; Ross, G.D., " β -Glucan, a 'Specific' Biological Response Modifier that Uses Antibodies to Target Tumors for Cytotoxic Recognition by Leukocyte Complement Receptor Type 3 (CD11b/CD18)", <i>The Journal of Immunology</i> 1999 , Vol. 163, No. 6; pp. 3045-3052.
50C	C20	Oda, S.; Satoh, H.; Sugawara, T.; Matsunaga, N.; Kuhara, T.; Katoh, K.; Shoji, Y.; Nihei, A.; Ohta, M.; Sasaki, Y., "Insulin-Like Growth Factor-I, GH, Insulin, and Glucagon Concentrations in Bovine Colostrum and in Plasma of Dairy Cows and Neonatal Calves Around Parturition," <i>Comp. Biochem. Physiol. A</i> 1989 , Vol. 94A, No. 4; pp. 805-808.
50C	C21	Portera, C.A.; Love, E.J.; Memore, L.; Zhang, L.; Müller, A.; Browder, W.; Williams, D.L., "Effect of Macrophage Stimulation on Collagen Biosynthesis in the Healing Wound", <i>The American Surgeon</i> 1997 , Vol 63, No. 2; pp. 125-131.
50C	C22	Di Luzio, N.R.; Williams, D.L.; Sherwood, E.R.; Browder, I.W., "Modification of Diverse Experimental Immunosuppressive States by Glucan", <i>Surv. Immunol. Res.</i> 1985 , Vol. 4, No. 2; pp. 160-167.
50C	C23	Kay, J.; Czop, J.K., "Enhancement of Human Monocyte β -Glucan Receptors by Glucocorticoids", <i>Immunology</i> 1994 , Vol. 81, No. 1; pp. 96-102.
50C	C24	Newman, J. "How Breast Milk Protects Newborns", <i>Scientific American</i> 1995 , pp. 76-79.
50C	C25	Scott, P.H., "Plasma Lactoferrin Levels in Newborn Preterm Infants: Effects of Infection", <i>Ann. Clin. Biochem.</i> 1989 , Vol. 26, pp. 412-415.
50C	C26	Seyedin, S.M.; Thompson, Andrea Y.; Bentz, Hanne; Rosen, David M.; McPherson, John M.; Conti, Annemarie; Siegel, Ned R.; Galluppi, Gerald R. and Piez, Karl A., "Cartilage-including Factor-A: Apparent Identity to Transforming Growth Factor B", <i>Journa. Biological Chemistry</i> 1985 , Vol. 261, No. 13; pp. 5693-5695.



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ML	C27	Simmen, Frank A.; Simmen, Rosalia C. and Reinhart, Gregory: "Maternal and Neonatal Somatomedin C/Insulin-Like Growth Factor (IGF-I) and IGF Binding Proteins During Early Lactation in the Pig", <i>Developmental Biology</i> 1988 , Vol. 130, No. 1, pp. 16-27.
ML	C28	Smolin, G., "The Role of Tears in Prevention of Infection", <i>International Ophthalmology Clinics</i> 1987 , Vol. 27, No. 1; pp. 25-26.
ML	C29	Sporn, Michael B.; Roberts, Anita B.; Shull, James H.; Smith, Joseph M. and Ward, Jerrold M., "Polypeptide Transforming Growth Factors Isolated From Bovine Sources and Used for Wound Healing <i>in vivo</i> ", <i>Science</i> 1983 , Vol. 219, pp. 1329-1331.
ML	C30	Thissen, Jean-Paul; Triest, Sandrine; Moats-Staats, Billie M.; Underwood, Louis E.; Mauerhoof, Tekla; Maiter, Dominique; Ketelslegers, Jean-Marie "Evidence that Pretranslational and Translational Defects Decrease Insulin-Like Growth Factor-I Concentrations During Dietary Protein Restriction," <i>Endocrinology</i> 1991 , Vol. 129, No. 1; pp. 429-435.
ML	C31	Tollefsen, Sherida E., Lajara, Rosemarie; McCusker, Robert H.; Clemmons, David R.; Rotwein, Peter, "Insulin-Like Growth Factors (IgF) in Muscle Development" Expression of IGF-I, The IGF-I Receptor, and an IGF Binding Protein During Myoblast Differentiation", <i>Journal of Biological Chemistry</i> 1989 , Vol. 264, No. 23, pp. 13810 - 13817.
ML	C32	Ullman, M.; Ulman, A.; Sommerland, H.; Skottner, A. and Oldfors, A., "Effects of Growth Hormone on Muscle Regeneration and IgF-I Concentration in Old Rats," <i>Acta Physiol. Scand.</i> 1990 , Vol. 140, pp. 521-525.
ML	C33	Walsh, D.S.; Pattanapanyasat, K.; Lamchiagdhas, P.; Siritongtaworn, P.; Thavichaigarn, P.; Jiarakul, N.; Chuntrasakul, C.; Komoltri, C.; Dheeradhada, C.; Pearce, F.C.; Wiesmann, W.P. and Webster, H.K.; "Iron Status Following Trauma, Excluding Burns," <i>British Journal of Surgery</i> 1996 , Vol. 83, pp. 982-985.
ML	C34	Wang, D.; Pabst, Karen M.; Aida, Yoshitomi; Pabst, Michael J.; "Lipopolysaccharide-Inactivating Activity of Neutrophils is Due to Lactoferrin," <i>J. Leukocyte Biology</i> 1985 , Vol. 57, pp. 865-874.
ML	C35	Ward, C.G.; Bullen, J.J.; Rogers, Henry J., "Iron and Infection: New Developments and Their Implications," <i>The Journal of Trauma, Injury, Infection and Critical Care</i> 1996 , Vol. 41, No. 2, pp. 356-364.

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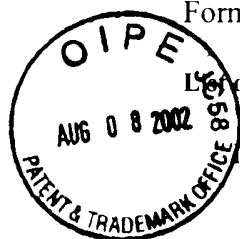
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ML	C36	Xu, R.J.; Mellor, D.J.; Birtles, M.J.; Breier, B.H. and Gluckman, P.D.; "Effects of Oral IgF-I or IgF-II on Digestive Organ Growth in Newborn Piglets", <i>Biology of the Neonate</i> 1994 , Vol. 66, No. 5; pp. 280-287.
ML	C37	Zagulski, T., Lipiński, P.; Zagulska, A.; Broniek, S. and Jarzabek, Z., "Lactoferrin can Protect Mice Against a Lethal Dose of E. Coli in Experimental Infection <i>in vivo</i> ", <i>British Journal of Experimental Pathology</i> 1989 , Vol. 70, pp. 697-704.
ML	C38	Hadorn, Ulrich; Hammon, Harald; Bruckmaier, Rupert M.; Blum, Juerg W., "Delaying Colostrum Intake by One Day Has Improved Effects on Metabolic Traits and on Gastrointestinal and Metabolic Hormones in Neonatal Calves," <i>Journal of Nutrition</i> 1997 , Vol. 127, pp. 2011-2023.
ML	C39	Blum, Juerg W.; Hadorn, Ulrich; Sallmann, Hans-Peter; and Schuep, Willy, "Delaying Colostrum Intake by One Day Impairs Plasma Lipid, Essential Fatty Acid, Carotene, Retinol and α -Tocopherol Status in Neonatal Calves," <i>Journal of Nutrition</i> 1997 , Vol. 127, pp. 2024-2029.
ML	C40	Tzianabos, Arthur O.; Gibson III, Frank C.; Cisneros, Ronald L.; Kasper, Dennis L., "Protection against Experimental Intraabdominal Sepsis by Two Polysaccharide Immunomodulators", <i>The Journal of Infectious Disease</i> , 1998 , Vol. 178, No. 1, pp. 200-6.
	C41	Brochure entitled: "Health News: Activate your Immune System with Beta Glucan from Life Source Basics", <i>Life Source Basics</i>, St. Paul, MN.
ML	C42	Francis, Geoffrey L.; Read, Leanna C.; Ballard, F. John; Bagley, Christopher J.; Upton, Faye M.; Gravestock, Paula M. and Wallace, John C.; "Purification and partial sequence analysis of insulin-like growth factor-1 from bovine colostrum"; <i>The Biochemical Journal</i> 1986 , Vol. 233, No. 1, pp. 207-213.
ML	C43	Ballard, F. John and Francis, Geoffrey L.; "Effects of anabolic agents on protein breakdown in L6 Myoblasts," <i>The Biochemical Journal</i> 1983 , Vol. 210, No. 1; pp. 243-249.
ML	C44	Ballard, F.J.; Nield, M.K.; Francis, G.L.; Knowles, S.E.; "Regulation of intracellular protein degradation by insulin and growth factors", <i>Acta Biologica et Medica Germanica</i> 1981 , Vol. 40, No. 10/11, pp. 1293 - 1300.

EXAMINER: [Signature] DATE: 1/11/02 BY: [Signature]

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Exam. Init.	Ref. Des.	Citation
ML	C45	Cohen, Myron S.; Britigan, Bradley E.; Franch, Martha Bean, Karen; "Preliminary Observations on Lactoferrin Secretion in Human Vaginal Mucus: Variation During the Menstrual Cycle, Evidence of Hormonal Regulation, and Implications for Infection with <i>Neisseria gonorrhoeae</i> ", <i>American Journal of Obstetrics and Gynecology</i> 1987 , Vol. 157, pp. 1122-1125.
ML	C46	Isaacs, Charles E.; Halldor, Thormar; "The Role of Milk-Derived Antimicrobial Lipids as Antiviral and Antibacterial Agents," in <i>Immunology of Milk and the Neonate</i> , Mestecky, J.; Blair, C.; Ogra, P.L., Eds.; Plenum Press; 1991: pp. 159-165.
ML	C47	Reiter, Bruno and Perraudin, Jean-Paul; "The Antibacterial Activity of Lactoferrin and Neonatal <i>E. coli</i> Infections," in <i>Advances in Lactoferrin Research</i> , Spik, G.; Legrand, D.; Mazurier, J.; Pierce, A.; Perraudin, J.-P., Eds.; Plenum Press; 1998: pp. 175-188.
ML	C48	Emery, Thomas F.; "Iron and Your Health: Facts and Fallacies", <i>CRC Press, Inc.</i> , CRC Press, Inc.; 1991: pp. 25-35.
ML	C49	Dohm, G. Lynis; Elton, Charles W.; Raju, Madhu S.; Mooney, Nitin D.; DiMarchi, Richard; Pories, Walter J.; Flickinger, Edward G.; Atkinson, Samuel M. Jr.; Caro, José F.; "IGF-I-Stimulated Glucose Transport in Human Skeletal Muscle and IGF-I Resistance in Obesity and NIDDM; <i>Diabetes</i> 1990 , Vol. 39, pp. 1028-1032.
ML	C50	Janusz, Maria and Lisowski, Józef; "Proline-Rich Polypeptide (PRP) - an Immunomodulatory Peptide from Ovine Colostrum; <i>Archivum Immunologiae et Therapiae Experimentalis</i> 1993 , Vol. 41, pp. 275-279.

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